Performance Data Sheet

AJE4461YTZ

General Information

Model	AJE4461YTZ	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	400V 3~ 50HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	1190	1020	854	684
	Watts (Power)	409	447	477	498
	Amps	1.13	1.16	1.18	1.21
-5	Watts (Capacity)	1290	1110	930	748
	Watts (Power)	419	460	495	520
	Amps	1.14	1.17	1.20	1.23
0	Watts (Capacity)	1630	1410	1180	958
	Watts (Power)	449	499	544	582
	Amps	1.16	1.20	1.25	1.30
5	Watts (Capacity)	2030	1760	1480	1210
	Watts (Power)	479	538	593	642
	Amps	1.18	1.24	1.30	1.36
7.2	Watts (Capacity)	2220	1930	1630	1340
	Watts (Power)	492	554	614	668
	Amps	1.18	1.25	1.32	1.39
10	Watts (Capacity)	2500	2170	1840	1510
	Watts (Power)	508	575	640	700
	Amps	1.20	1.27	1.35	1.43
15	Watts (Capacity)	3040	2650	2260	1860
	Watts (Power)	538	612	687	758
	Amps	1.21	1.31	1.40	1.50

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.242852E+03	2.935441E+02	1.014304E+00	
C2	1.017571E+02	2.748148E+00	-6.056671E-03	
C3	-1.875247E+01	4.827192E+00	4.872452E-03	

C4	1.709079E+00	8.864211E-03	1.667139E-06	
C5	-9.607749E-01	5.728176E-02	3.265174E-04	
C6	-7.475126E-02	2.503007E-02	-2.999593E-06	
C7	9.252390E-03	5.956913E-04	0.000000E+00	
C8	-1.487946E-02	-7.513055E-04	0.000000E+00	
C9	5.157320E-04	1.666613E-03	0.000000E+00	
C10	5.079345E-04	-4.247154E-04	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature

Performance Data Sheet

AJE4461YTZ

General Information

Model	AJE4461YTZ	**Refrigerant**	R-134a
Test Condition	EN12900 ASERCOM	**Performance Test Voltage**	440V 3~ 60HZ
Return Gas	20°C (68°F) RETURN GAS	**Motor Type**	3PH

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-6.7	Watts (Capacity)	1430	1220	996	768
	Watts (Power)	501	547	576	576
	Amps	1.10	1.14	1.17	1.17
-5	Watts (Capacity)	1540	1320	1090	850
	Watts (Power)	515	565	600	609
	Amps	1.11	1.16	1.19	1.20
0	Watts (Capacity)	1920	1660	1390	1110
	Watts (Power)	556	616	668	701
	Amps	1.15	1.22	1.27	1.29
5	Watts (Capacity)	2350	2060	1740	1420
	Watts (Power)	602	667	732	786
	Amps	1.19	1.28	1.35	1.39
7.2	Watts (Capacity)	2570	2250	1910	1560
	Watts (Power)	624	691	761	822
	Amps	1.21	1.31	1.39	1.44
10	Watts (Capacity)	2850	2510	2140	1770
	Watts (Power)	655	722	797	867
	Amps	1.24	1.35	1.43	1.50
15	Watts (Capacity)	3420	3020	2600	2170
	Watts (Power)	717	783	864	947
	Amps	1.29	1.41	1.52	1.60

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	2.525335E+03	4.511632E+02	8.058497E-01	
C2	1.027542E+02	1.278347E+01	-3.198962E-03	
C3	-1.459184E+01	-6.606036E-01	1.492076E-02	

C4	1.565002E+00	2.947707E-01	5.435622E-05	
C5	-6.904410E-01	-3.562317E-01	3.795557E-04	
C6	-2.246598E-01	1.977600E-01	-1.128407E-04	
C7	8.096630E-03	3.730237E-03	0.000000E+00	
C8	-1.292141E-02	-7.117821E-03	0.000000E+00	
C9	-1.326182E-03	7.259105E-03	0.000000E+00	
C10	1.262665E-03	-1.957289E-03	0.000000E+00	

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature